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# AlphaHound



## This is AlphaHound.

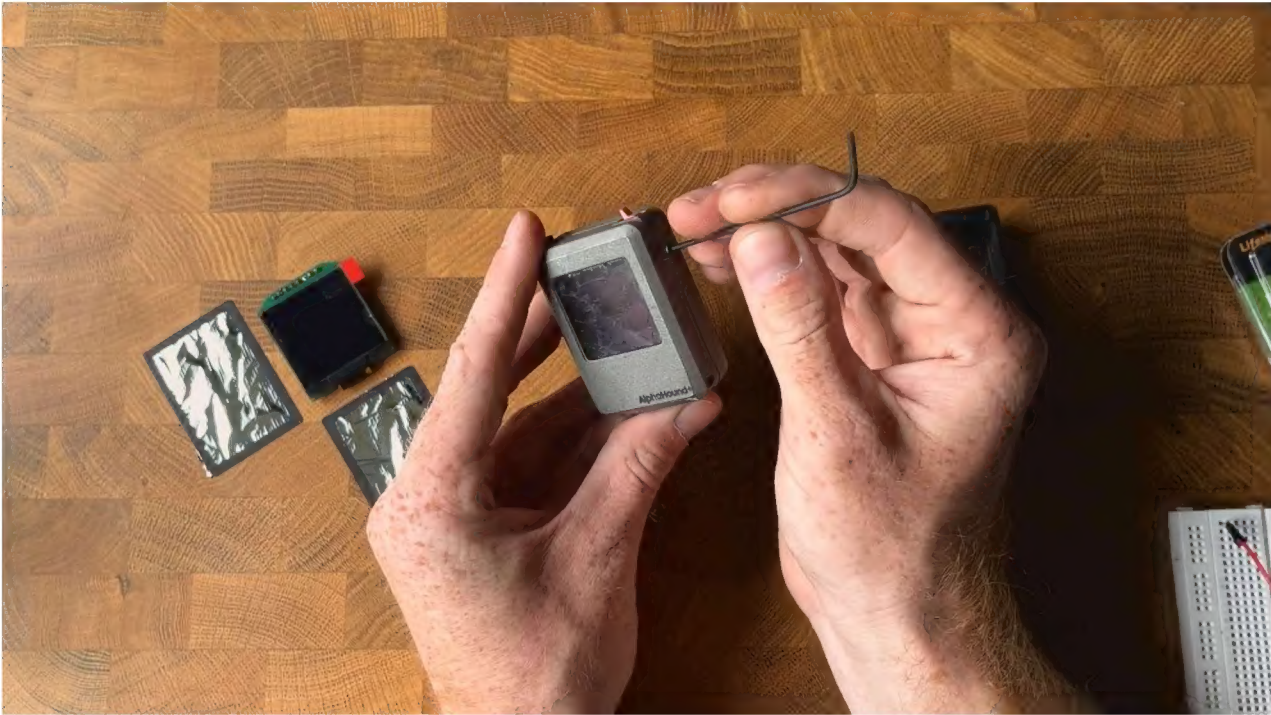
Rugged, reliable, and repairable, AlphaHound is the perfect addition to your radiation detection toolkit. Access multiple display modes, change user settings and functions all with a simple shake.

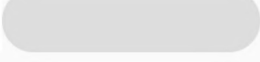










	AlphaHound	AlphaHound AB	AlphaHound AB+
			
Features			
Alpha			
Beta			
Alpha Beta Separation			
3 axis Alpha Beta Spectroscopy			
Display Modes	4	4	7

Introducing: AB+G



## The Ultimate Alpha/Beta/Gamma-Capable Radiation Detector.

Capable of Alpha/Beta/Gamma separation all while keeping a compact form factor.

Available as a drop-in Gamma Mod kit for AlphaHound A, AB & AB+.

## New features/specs:

- Gamma Detection & Spectroscopy (5x5x25mm BGO Scintillator)
- Gamma Sensitivity: Cs-137 -  $1 \mu\text{Sv/h} = 35 \text{ cps}$
- >50keV Gamma Energy Detection
- Three independent buttons
- Speaker for Radiation Clicks and Alerts
- Alpha, beta & gamma separation
- Spectral dose rate compensation

**AlphaHound AB+G || Complete Separation!**







**Limited Time - \$529**

[Order Now](#)



# Product Details

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## Includes

AlphaHound

Boot Dust Cover/Alpha Shield

Wrist Strap

USB Type A to C Charging Cable

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## Construction Materials

Chassis(SLM 316L Stainless Steel)

Dust Cover(SLS Nylon)

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## Operating Ranges

0 to 6,000,000 CPM | >12.0MCPM Over Range **(Beta)**

0 to 1.2 MCPM | >3 MCPM Over Range **(Alpha)**

0 to TBD MCPM | >TBD MCPM Over Range **(Gamma(AB+G))**

0 to 20,000 CPS | >50,000 CPS Over Range **(Alpha)**

0 to 100,000 CPS | >200,000 CPS Over Range **(Beta)**

-20°C to 45°C (-4°F to 113°F)

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## Measuring Units

CPM

CPS



Rem/Sv(AB+G)

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## **Beta Energy Sensitivity**

<50 KeV @ 25°C

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## **Modes**

mode 1 : Rolling Graph(All Models)

mode 2 : Sparkles(All Models)

mode 2 : Absolute/Total CPS/CPM(All Models)

mode 3 : AB Split Sparkles(AH+)

mode 4 : Basic AB 2D spectroscopy (AH+)

mode 5: Basic AB 3D spectroscopy (AH+)

mode 6 : Counts Per Hour(approximate radon levels)(All models)

mode 7 : User Settings(All models)

Mode 8 : Gamma Spectroscopy(AB+G)

Mode 9 : TBD(AB+G)

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## **Battery Type**

Lithium, Rechargeable 350mAh(User Replaceable)

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## **Battery length on full charge**

3-20hrs(Depending on display mode)

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## **Time to full charge**

1.5hr

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### Display Type

Digital 128X128 OLED (User Replaceable)

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### EMI/EMC Certification

FCC, ISED, CE, UKCA

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### Country of Origin

USA

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### Gamma Energy Sensitivity

<50 KeV @ 25°C

### Gamma Sensitivity & Energy Resolution

42cps/uSv/hr(0.42cps/uRem/hr) - Cs137(AB+G)

15%+-1% - Cs137-662KeV(AB+G)

### Rejection Ratios (AB+/AB+G)

Alpha to Beta: < 5%

Beta to Alpha: < 0.001% @ < 20,000 CPS(1.2MCPM)

### Scintillation Materials



EJ-440(AlphaHound)

EJ-444(AlphaHound AB & AlphaHound AB+)

EJ-444 & BGO (AB+G)

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## User Input

1 Axis Accelerometer(All Models)

Soft tactile 3 button left right middle buttons(AB+G)

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## Software

User updatable over USB C port with windows PC through AlphaHoundUpdater Software

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**Alpha/Beta detection in your pocket.**





## **Sensitive**

With 1.72 in<sup>2</sup> of open detection area, AlphaHound helps locate contamination with ease.







## Repairable

Designed to allow the user to fix the device using drop-in replacement parts.



Get It

RadView Detection



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Last Updated August 2024

AlphaHound

Mk.1 & Mk.2

CDV X RadView

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